

**Patent** 

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Phoenix, Arizona

Applicant -

Ralph Johnson

Group:

2828

Serial No. -

10/026,020

Examiner:

Tuan M. Nguyen

Filed -

12-27-2001

Atty Docket No.:

V637-02670 US

For -

VERTICAL CAVITY SURFACE EMITTING LASER INCLUDING

INDIUM AND ANTIMONY IN THE ACTIVE REGION

#### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Box Patent Application Assistant Commissioner of Patents POB 1450 Alexandria, VA 22313-1450

Dear Sir:

The following sections are being submitted for this Supplemental Information Disclosure Statement:

1. Preliminary Statements.

Applicant submits herewith additional patents, publications or other information as the result of an International Search Report relative to U. S. application serial number 10/026,055, that he believes may be material to the patentability of the claims under consideration in this application and in respect of which there may be a duty to disclose under 37 C.F.R. § 1.56.

The filing of this Supplemental Information Disclosure Statement shall not be construed as a representation that a search has been made (37 CFR § 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56 (37 C.F.R. § 1.97(h)), or that no other material information exists.

The filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that the references are prior art within the meaning of 35 U.S.C. §§ 102 or 103. Further, any explanation, if provided, is not to be construed as a representation that the references have been thoroughly reviewed. In particular, no representation as to the relevance of any portion of any reference is intended.

The filing of this Supplemental Information Disclosure Statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

- 2. Form PTO-1449, List of Prior Art Cited by Applicant, citing no U.S. patents, one foreign patent, and two publications.
- 3. These references are in addition to those listed in the Information Disclosure Statement and Form PTO 1449 filed with the Patent and Trademark Office on April

- 16, 2003 and the Supplemental Information Disclosure Statement and Form PTO 1449 filed with the Patent and Trademark Office on April 18, 2003.
- 4. The person making this statement is the attorney who signs below on the basis of the information supplied by the inventor(s) and the information in the attorney's file.
- 5. The Office is authorized to charge Applicant's Deposit Account 01-1125 for any fee that may be due under 37 C.F.R. § 1.17(p) for consideration of this IDS and for any other fee that may be due.

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#### CERTIFICATE OF MAILING

I hereby certify that this correspondence (along with any paper referred to as being attached or enclosed) is being deposited on the date shown below addressed to the Assistant Commissioner of Patents, POB 1450, Alexandria, VA, 22313-1450:

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Dated: Oct. 7, 200

Andrew Abeyta, Reg. No. 39,582

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(USE AS MANY SHEETS AS NECESSARY)

Sheet	1	Of	2

COMPLETE IF KNOWN			
Application Number 10/026,020			
Filing Date	December 27, 2001		
First Named Inventor	Ralph Johnson		
Art Unit	2828		
Examiner Name	Tuan M Nguyen		
Attorney Docket Number	V637-002670 US		

	U.S. PATENT DOCUMENTS							
	Document Number  Pages, Columns, Lines Whe							
Examiner !nitials*	Cite No.1	Number	Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Relevant Passages or Relevant Figures Appear		
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	FOREIGN PATENT DOCUMENTS								
Examiner	Cite	Foreign Patent Document			Publication Date	Name of Patentee or Applicant of Cited	Pages, Columns, Lines Where Relevant	6	
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### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	2	Of	2

COMPLETE IF KNOWN			
Application Number	10/026,020		
Filing Date	December 27, 2001		
First Named Inventor	Ralph Johnson		
Group Art Unit	2828		
Examiner Name	Tuan M Nguyen		
Attorney Docket Number	V637-02670 US		

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*						
	ï	ANAN, T., et al., "Continuous-wave operation of 1.30 um GaAsSb/GaAs VCSELs", article, Electronics Letters, Vol 37, NO 9, 04-26-2001, pgs 566-7.				
		YANG, X., et al., "High-temperature characteristics of 1.3 um InGaAsN:Sb/GaAs multiple-quantum-well lasers grown by molecular-beam epitaxy", article, Applied Physics Letters, Vol 76, No 7, 02-14-2000, pgs 795-7.				
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Examiner Signature		Date Considered	

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<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.